Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/04/2021 08:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124917	-1	2.86	124963	2.79
Blue	F	SSC	125000	123000	-2	4.68	123531	4.66
Blue	E	FITC	14400	13854	-4	3.40	318	14.96
Blue	D	PE	24713	24298	-2	2.97	555	10.83
Blue	B	PerCP-Cy5-5	31796	31019	-3	4.01	1031	14.48
Blue	A	PE-Cy7	21240	21132	-1	6.06	566	28.55
Red	C	APC	41319	40715	-2	3.60	1704	11.60
Red	A	APC-Cy7	21019	20413	-3	3.86	763	11.46
Violet	B	V450	7305	7058	-4	4.29	433	12.50
Violet	A	V500	28652	27460	-5	3.93	689	9.61

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23464	2.65	566	-3	N/A	N/A	Pass
Blue	F	SSC	57418	2.84	519	7	N/A	N/A	Pass
Blue	E	FITC	58	52.95	491	0	0.0490	90	Pass
Blue	D	PE	116	37.51	489	2	0.4794	381	Pass
Blue	B	PerCP-Cy5-5	193	34.38	584	0	0.0205	32	Pass
Blue	A	PE-Cy7	113	65.89	631	1	0.0230	0	Pass
Red	C	APC	395	23.23	575	2	0.0270	84	Pass
Red	A	APC-Cy7	171	26.58	545	0	0.0068	990	Pass
Violet	B	V450	60	59.30	453	-3	0.0563	1764	Pass
Violet	A	V500	99	31.77	466	-4	0.0295	695	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.44	-32.23	1.02
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	21.41	15.99 - 23.99	N/A	N/A	30.54	30.80	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10754

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments